

FIG. 1 PRIOR ART

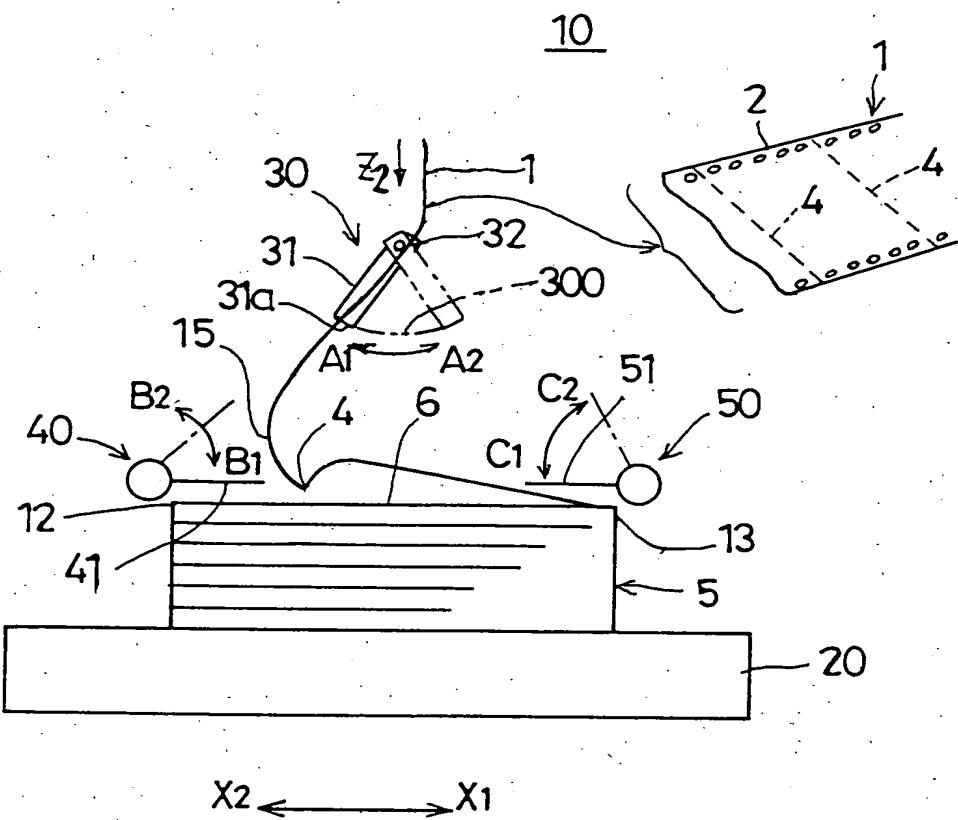


FIG. 2

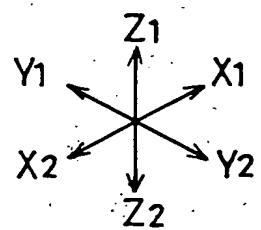
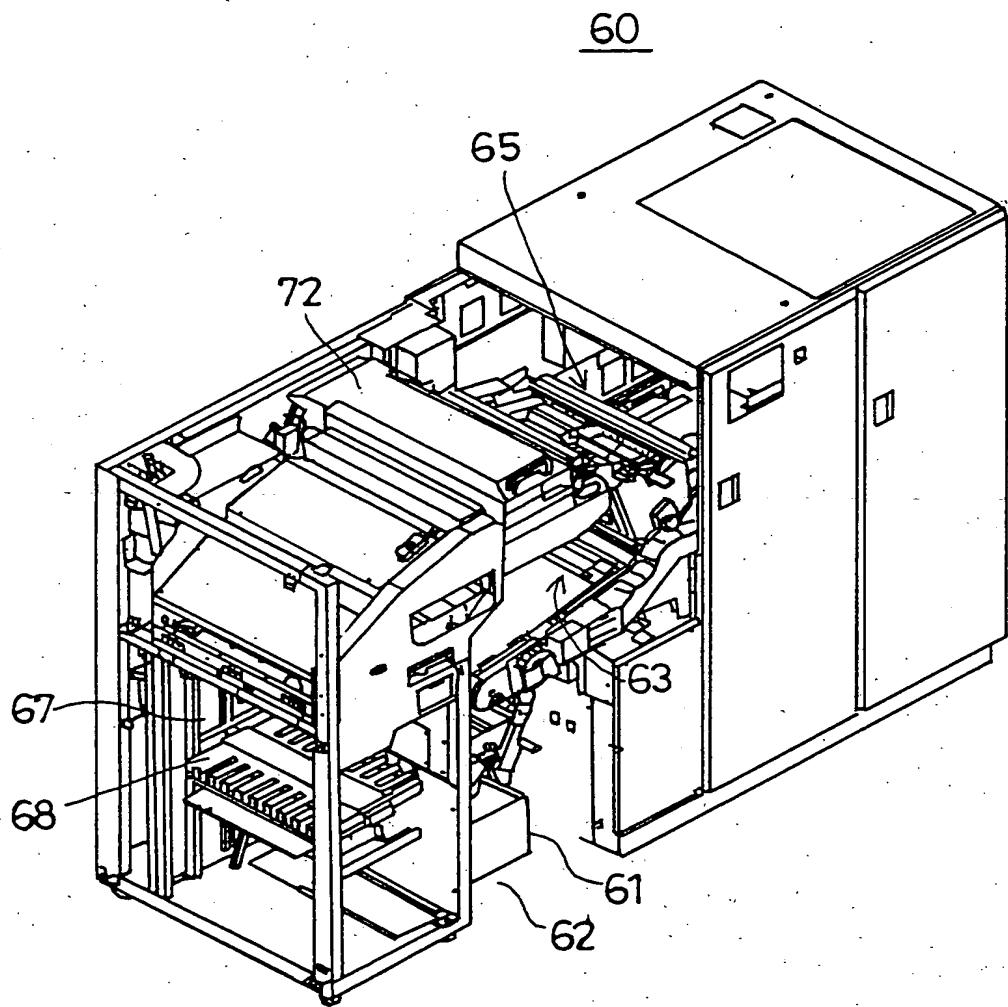


FIG. 3

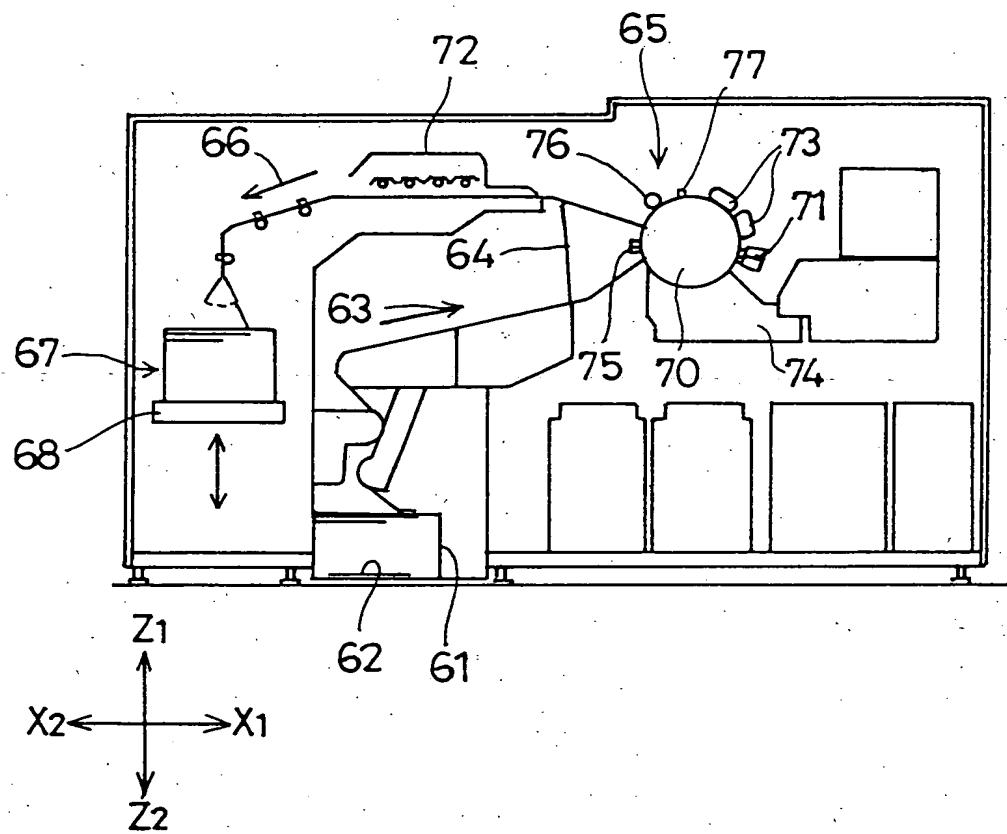
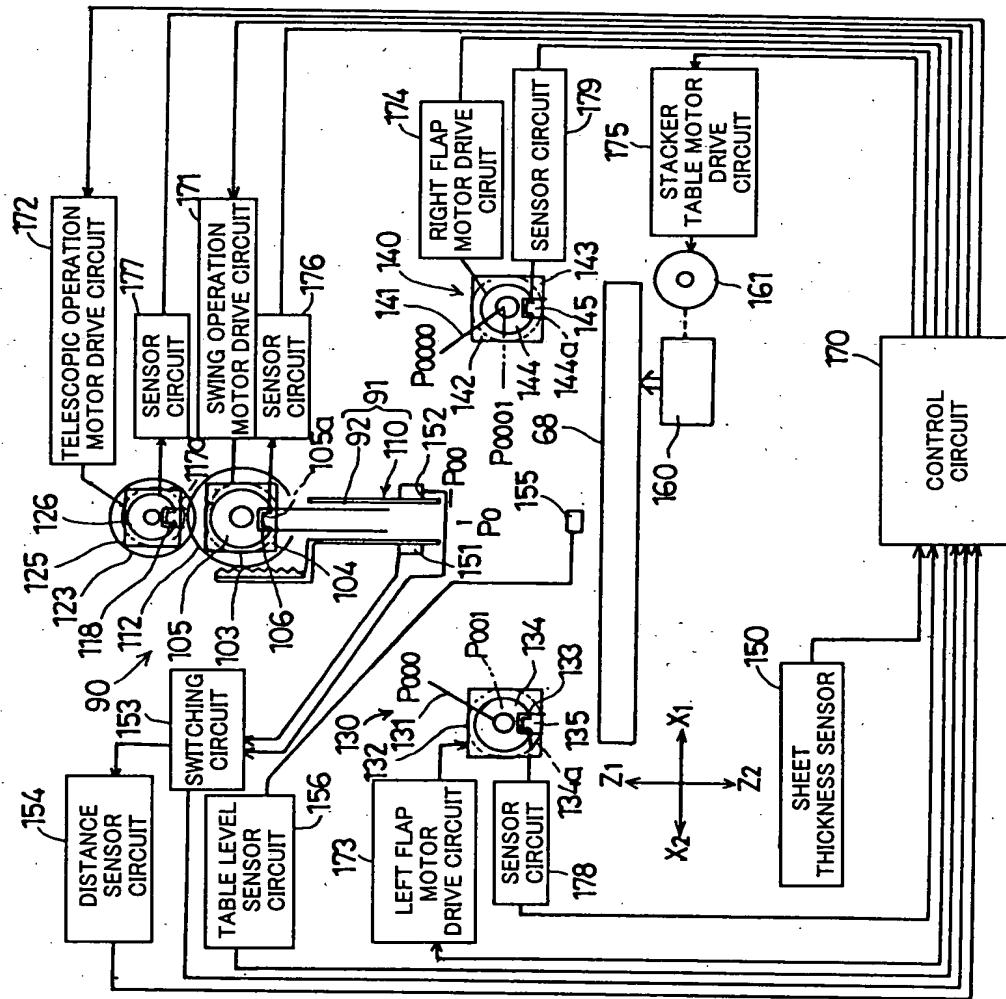


FIG. 4

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000000000000000000000000

FIG. 5A

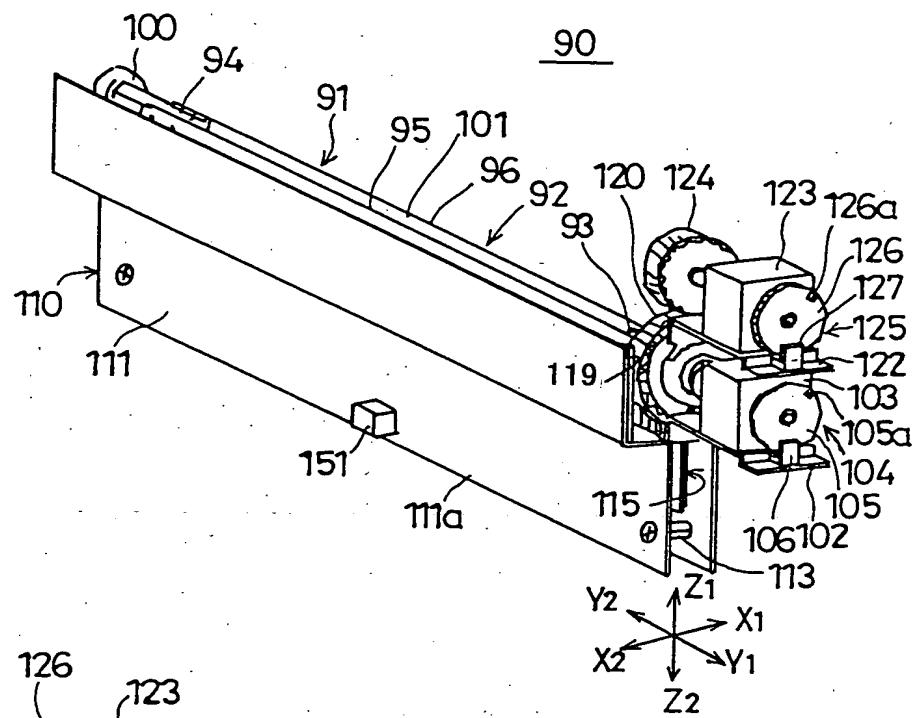


FIG. 5B

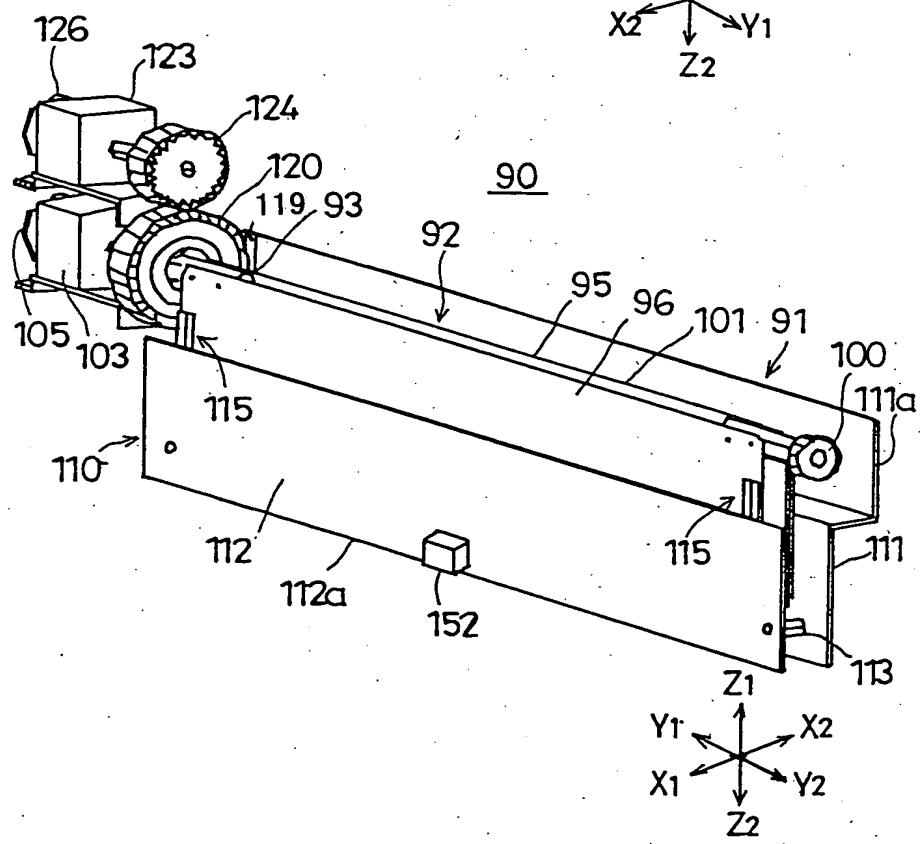


FIG. 6

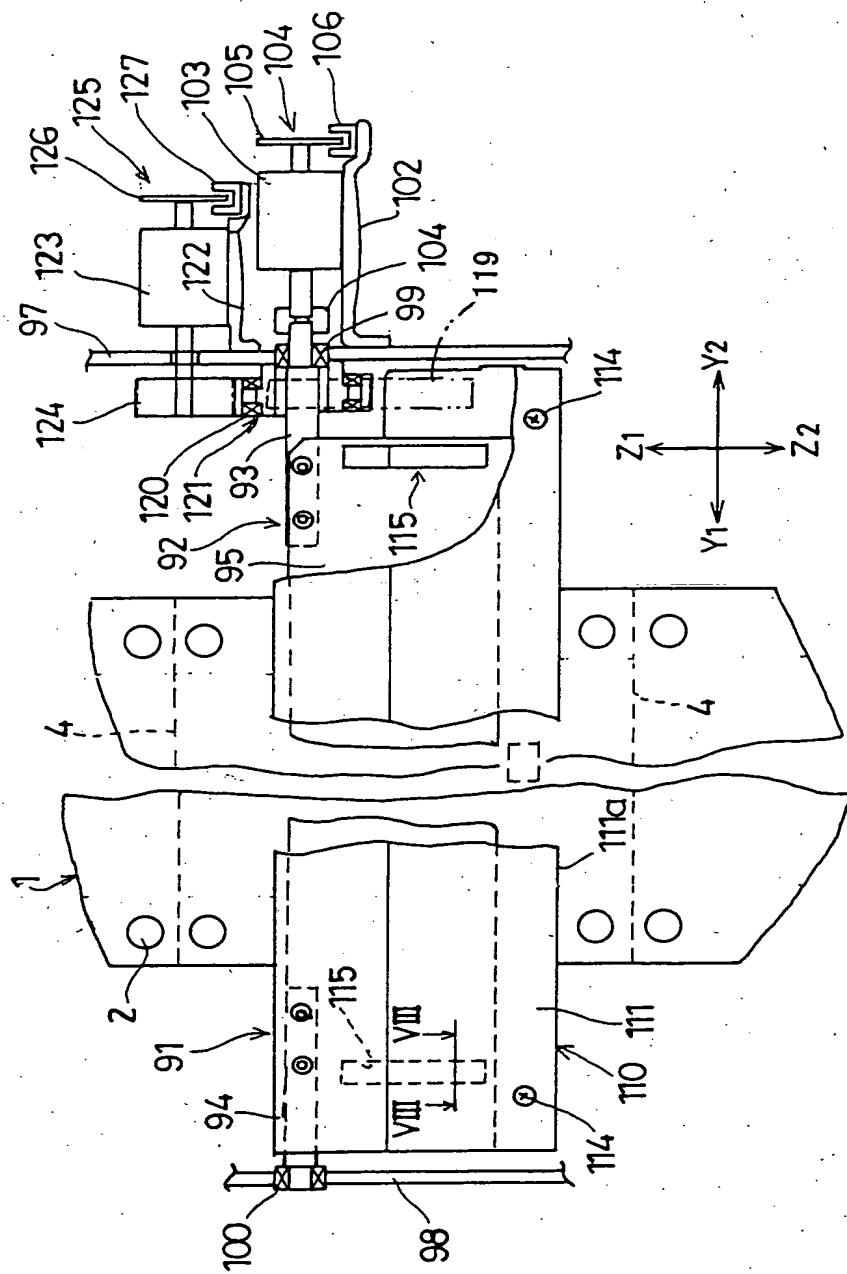
90

FIG. 7

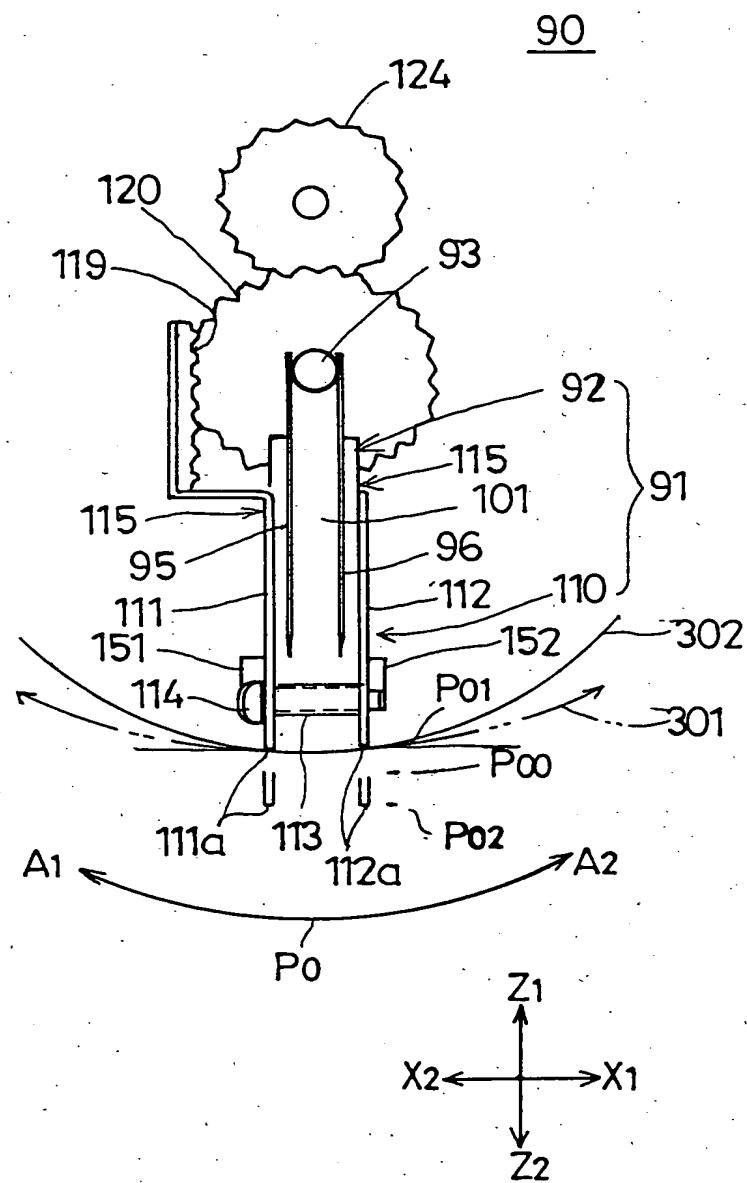


FIG. 8

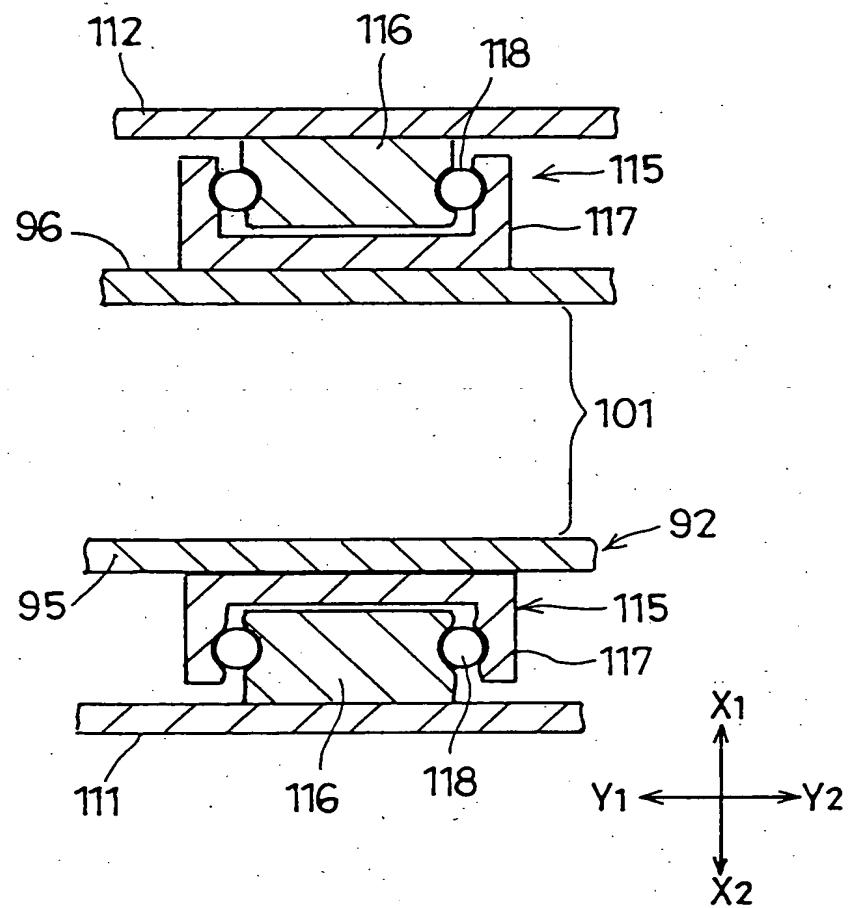


FIG. 9

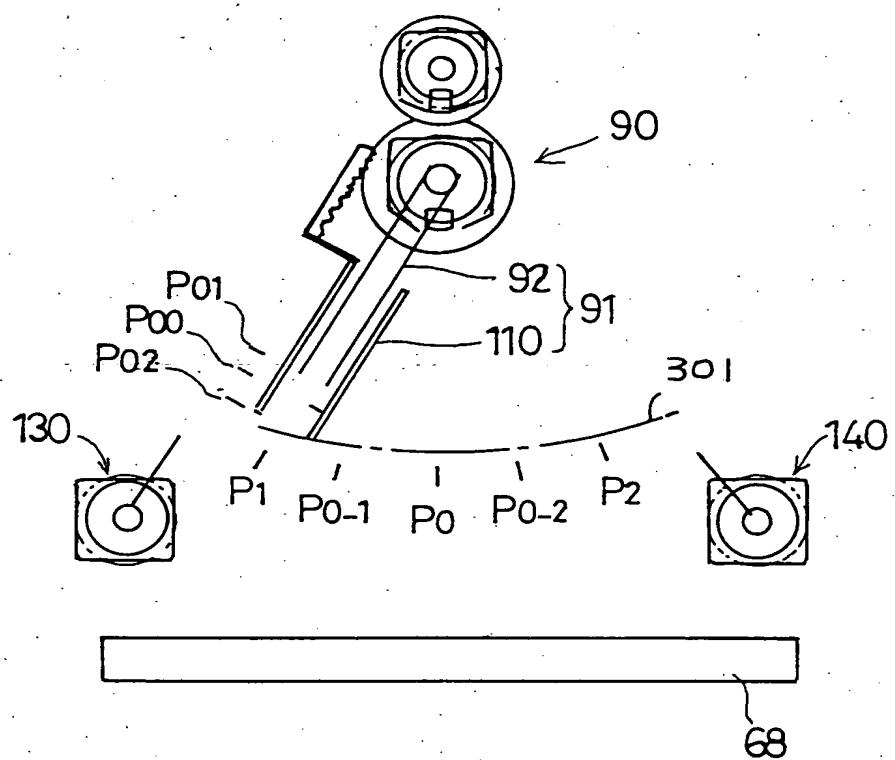


FIG. 10

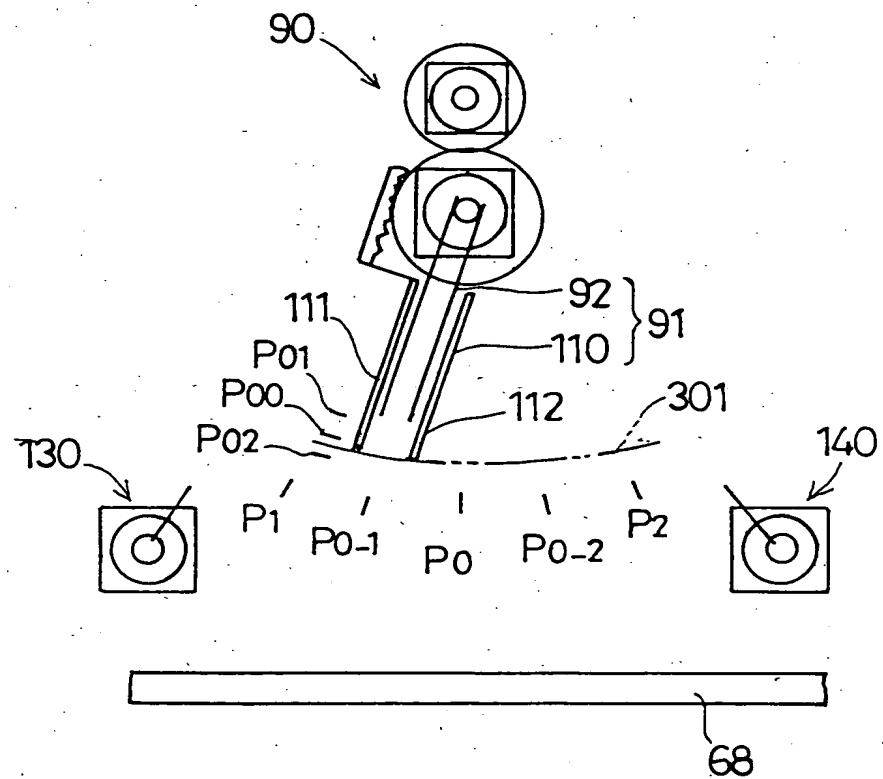


FIG. 11

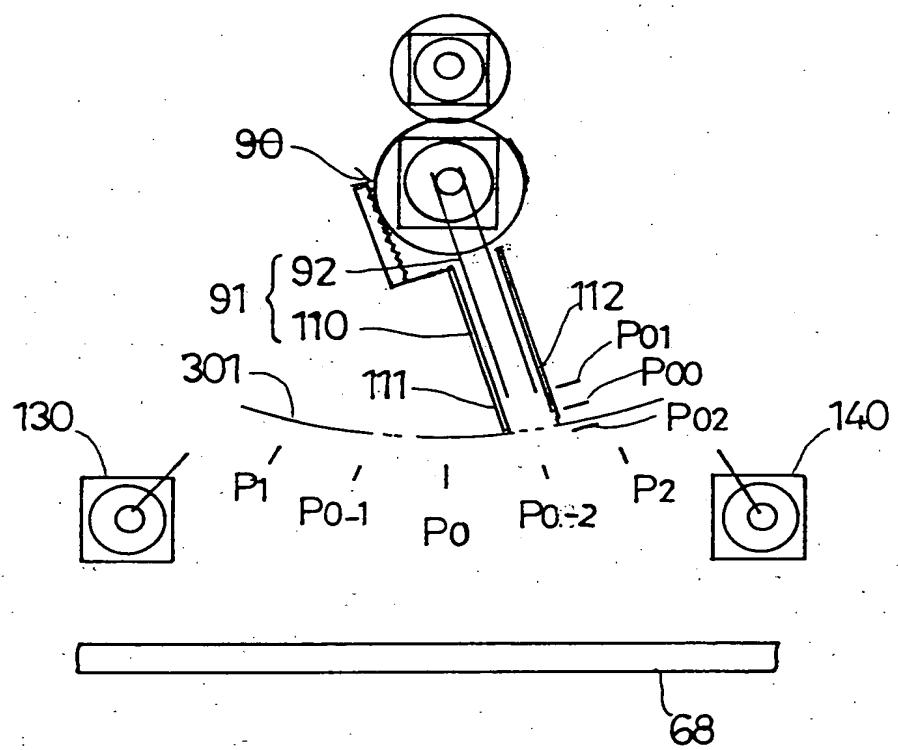


FIG. 12

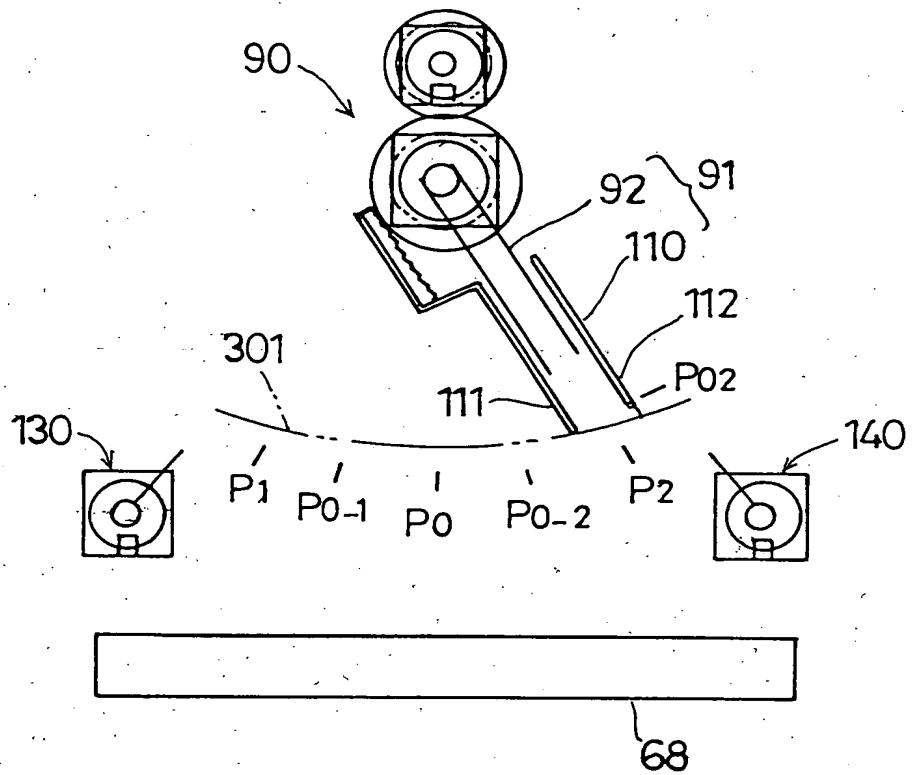


FIGURE 13A

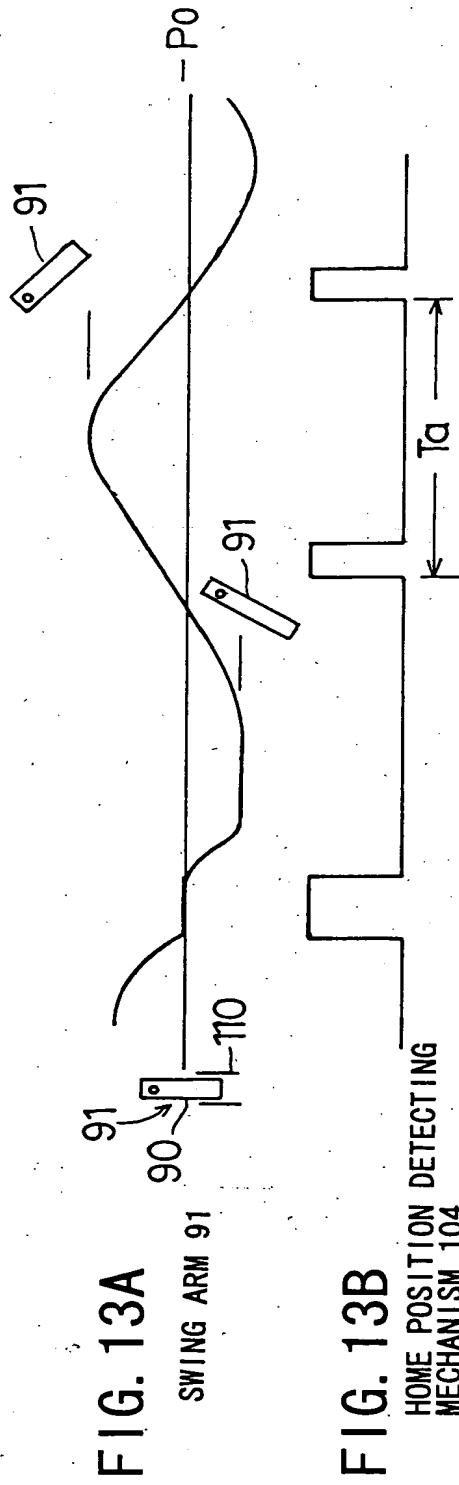


FIG. 13B  
HOME POSITION DETECTING  
MECHANISM 104

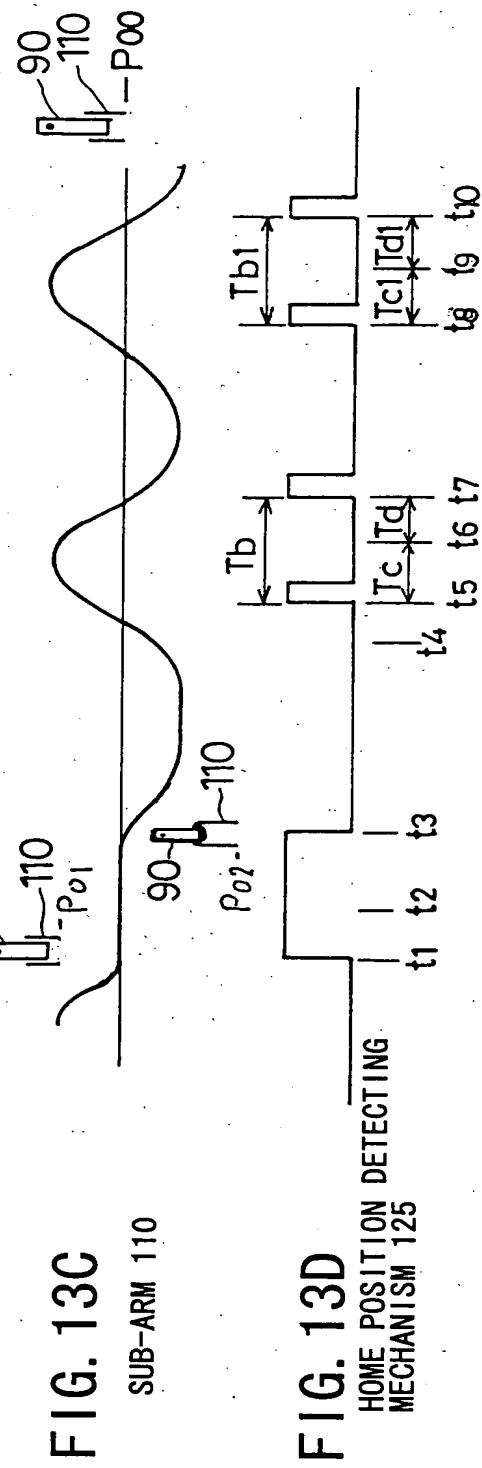


FIG. 13C  
HOME POSITION DETECTING  
MECHANISM 110

$t_1 \quad t_2 \quad t_3 \quad t_4 \quad t_5 \quad t_6 \quad t_7 \quad t_8 \quad t_9 \quad t_{10}$

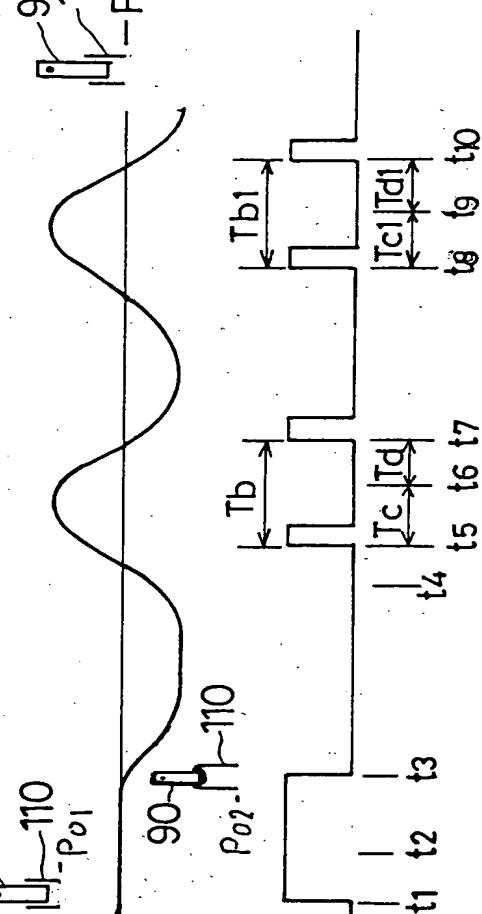


FIG. 13D  
HOME POSITION DETECTING  
MECHANISM 125

$t_1 \quad t_2 \quad t_3 \quad t_4 \quad t_5 \quad t_6 \quad t_7 \quad t_8 \quad t_9 \quad t_{10}$

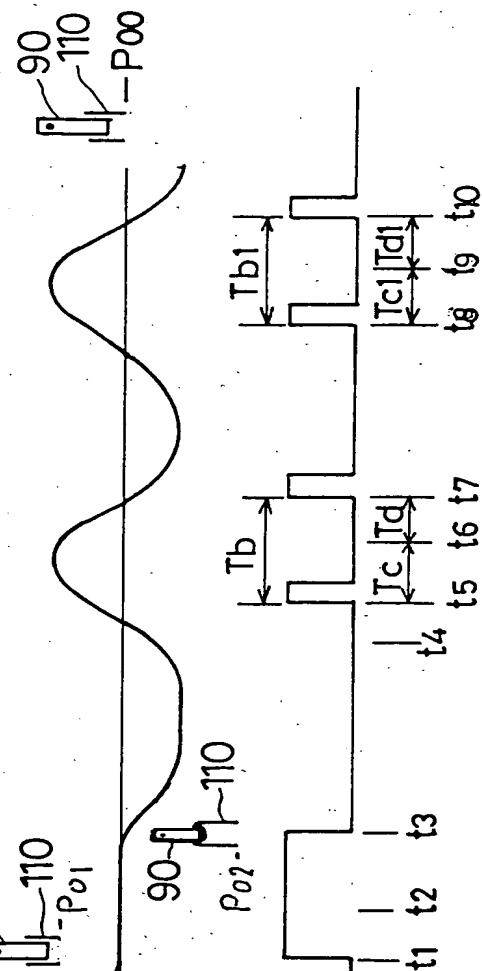


FIG. 14A FIG. 14B FIG. 14C FIG. 14D

FIG. 14A

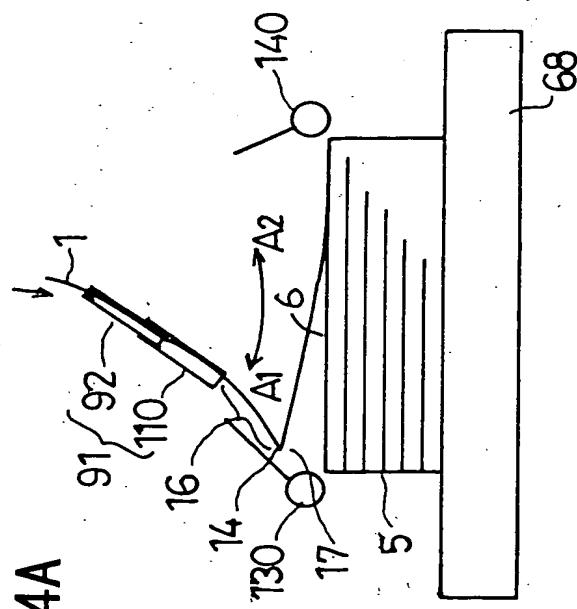


FIG. 14C

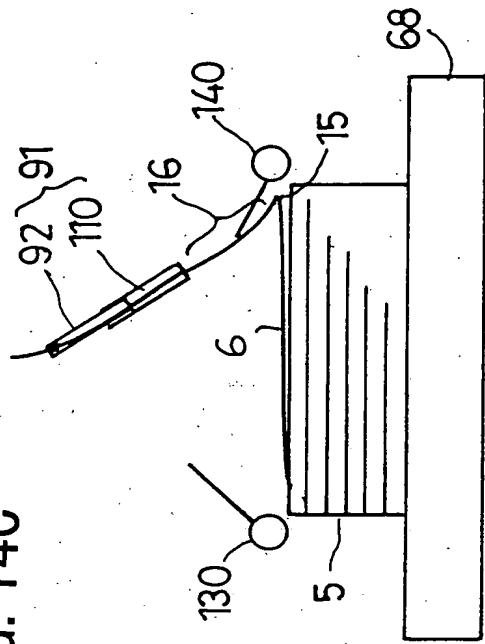


FIG. 14B

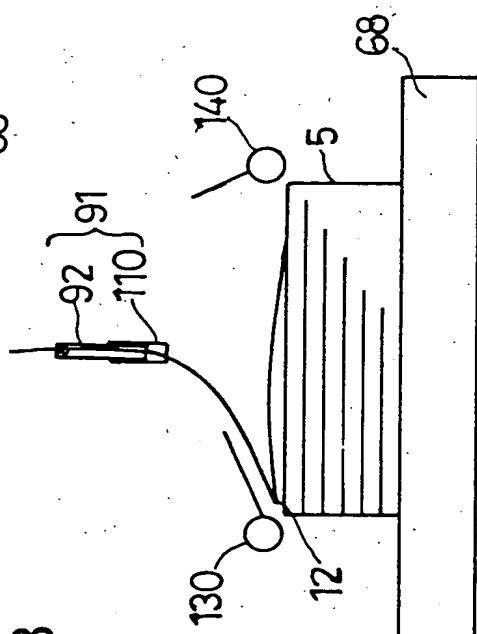
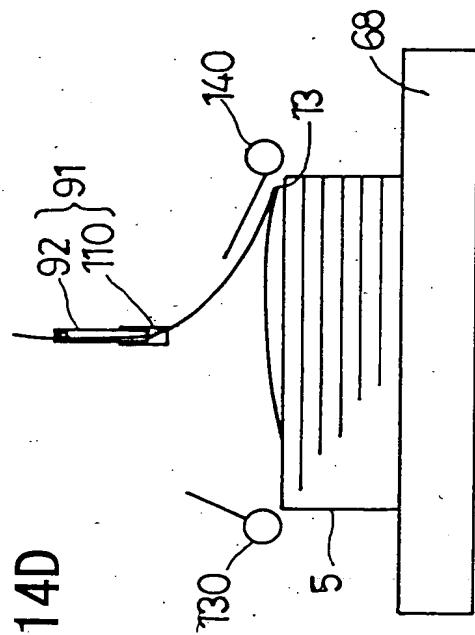
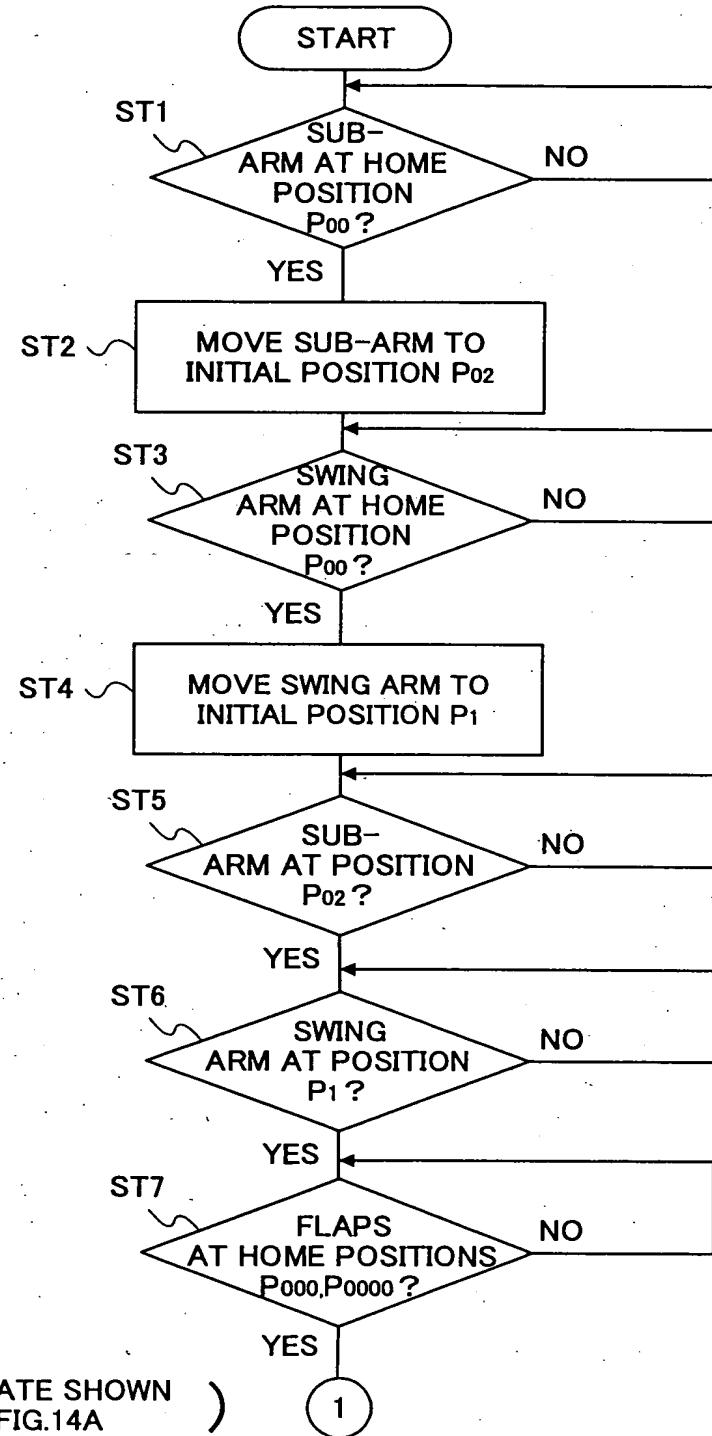


FIG. 14D



**FIG.15**



( STATE SHOWN  
IN FIG.14A )

**FIG.16**

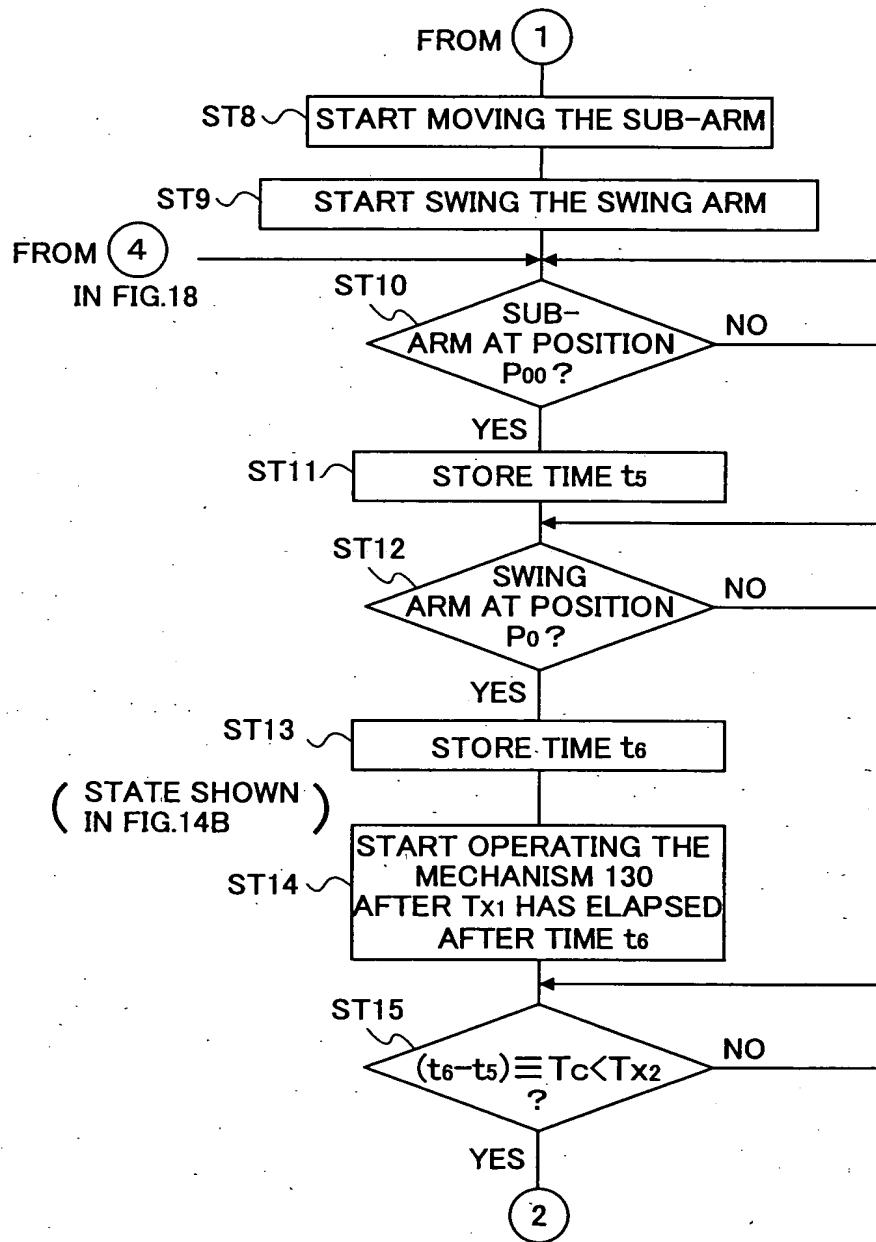


FIG.17

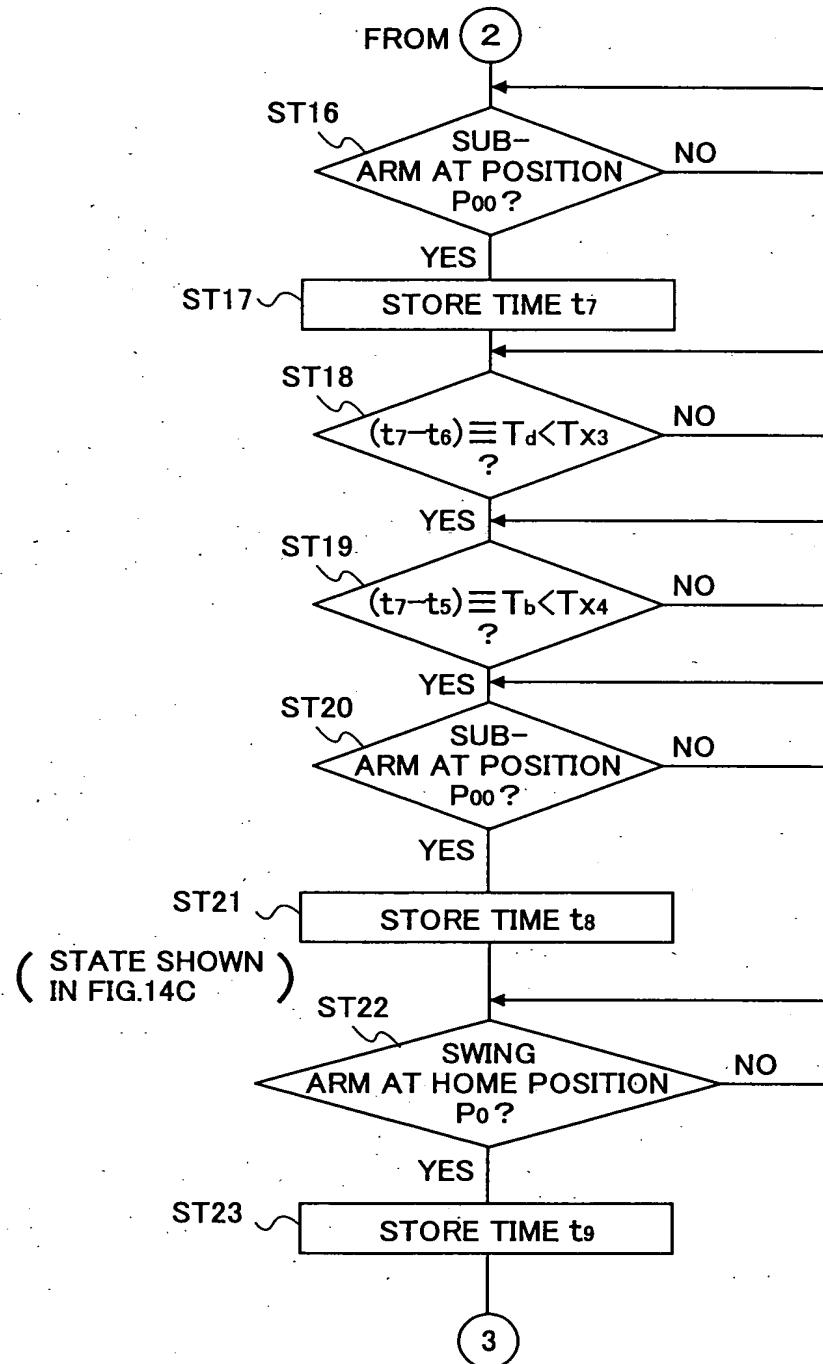
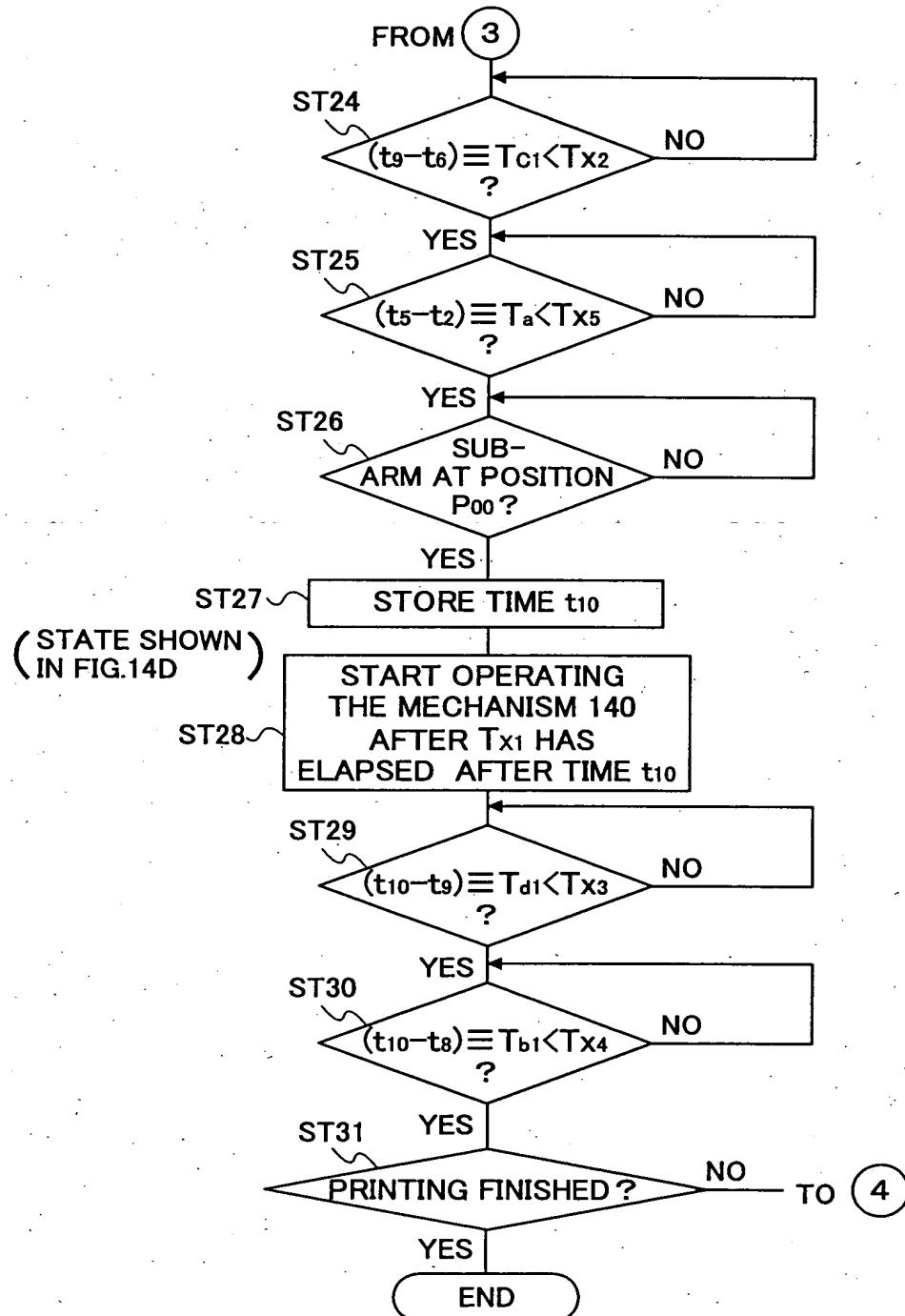
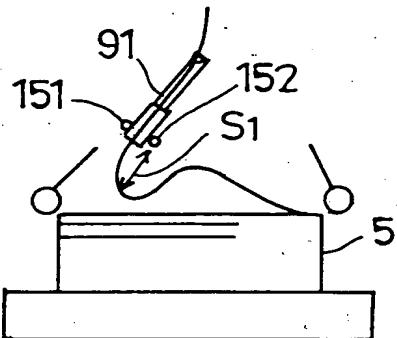


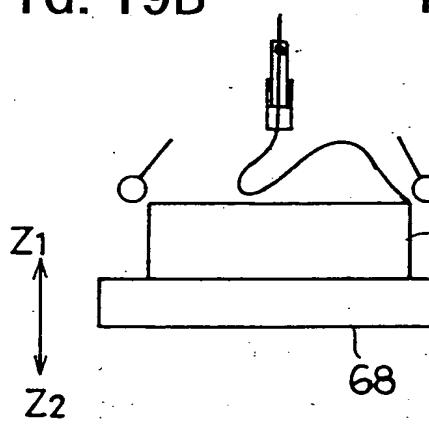
FIG.18



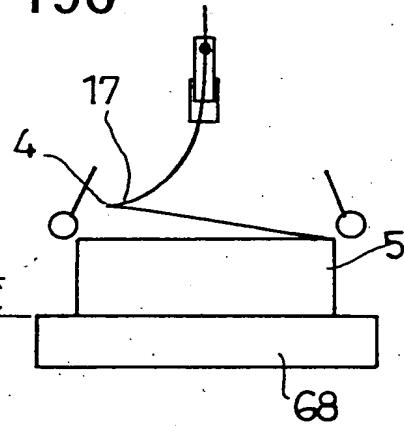
**FIG. 19A**



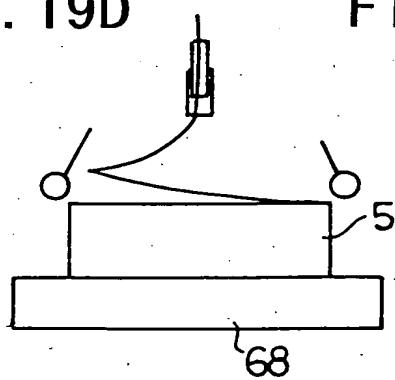
**FIG. 19B**



**FIG. 19C**



**FIG. 19D**



**FIG. 19E**

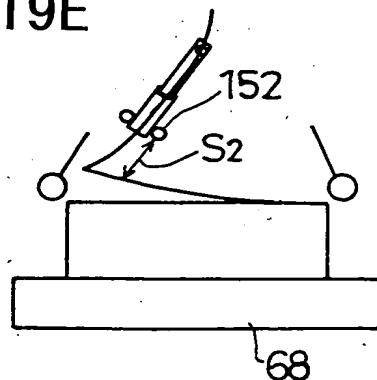


FIG.20

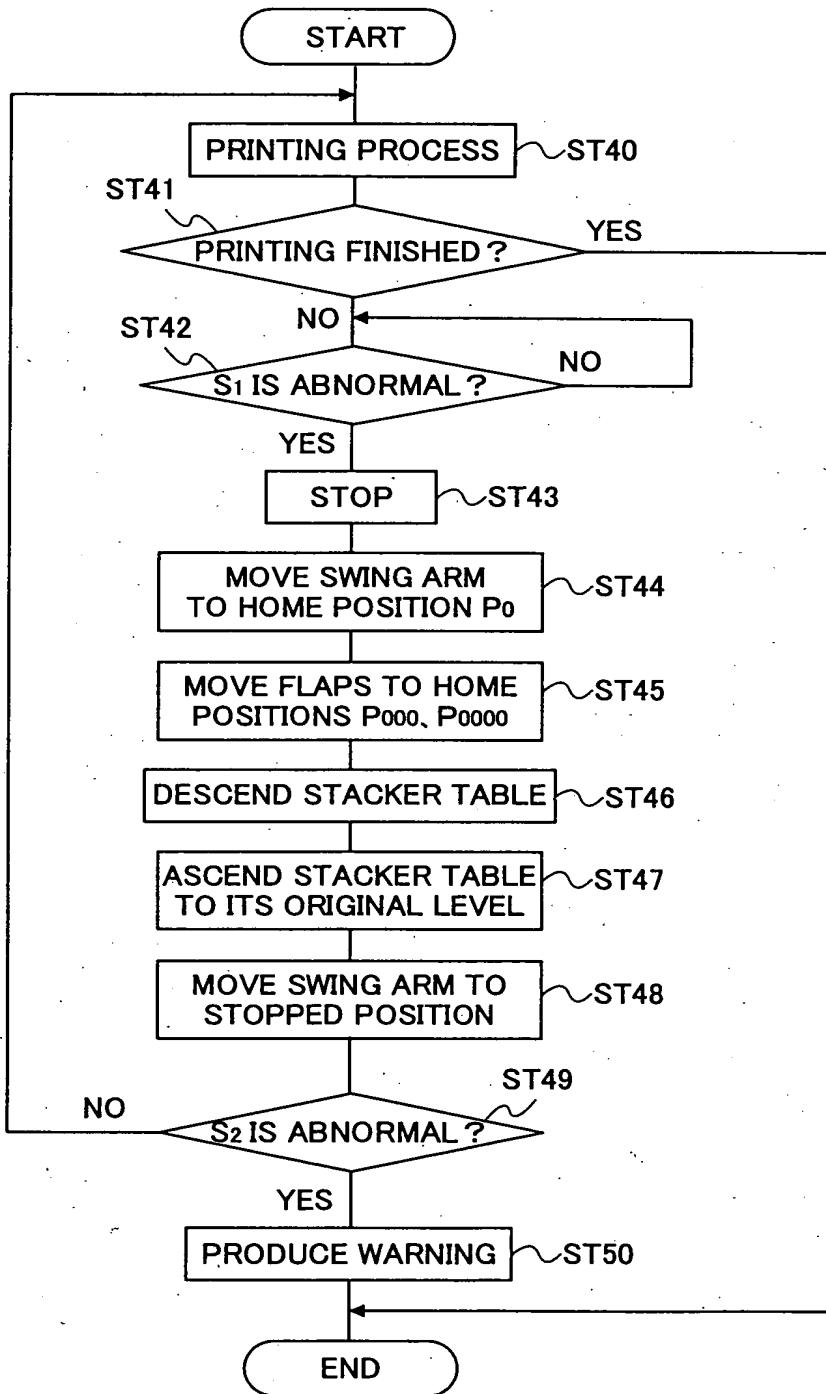


FIG. 21

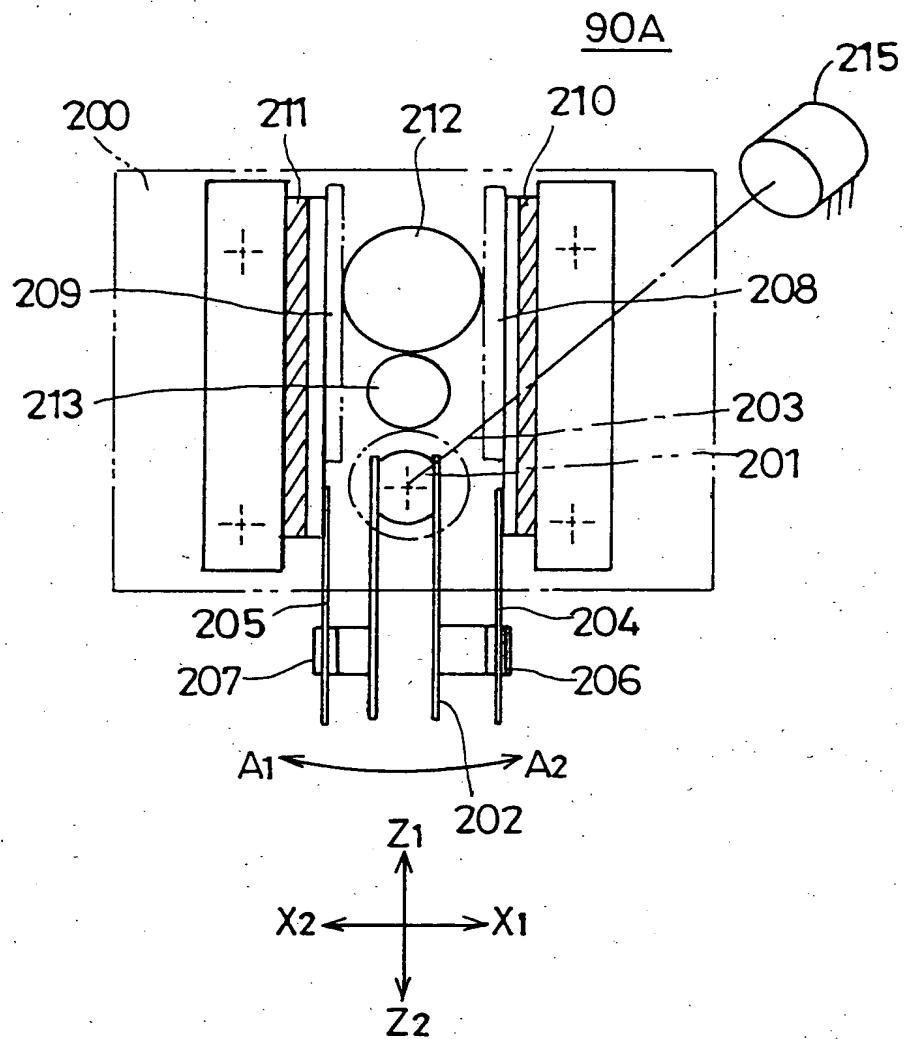


FIGURE 22A

FIG. 22A

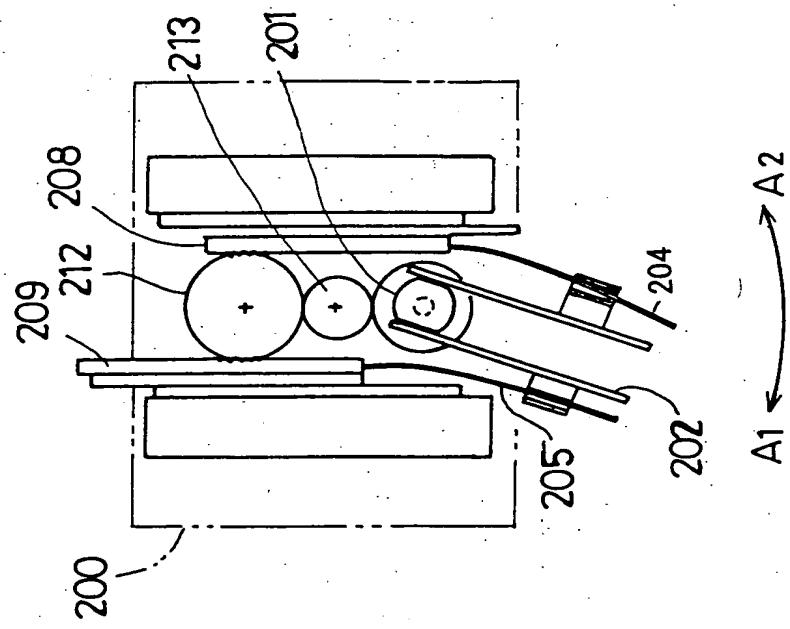


FIG. 22B

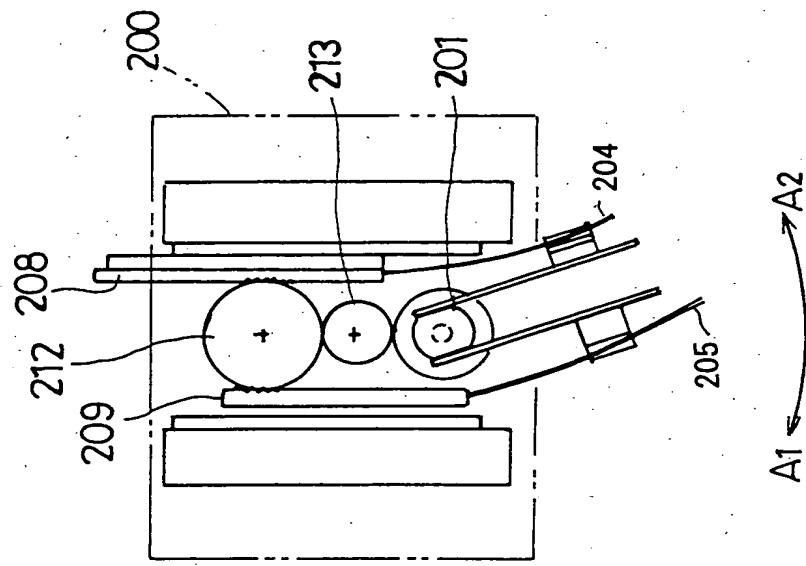


FIG. 23

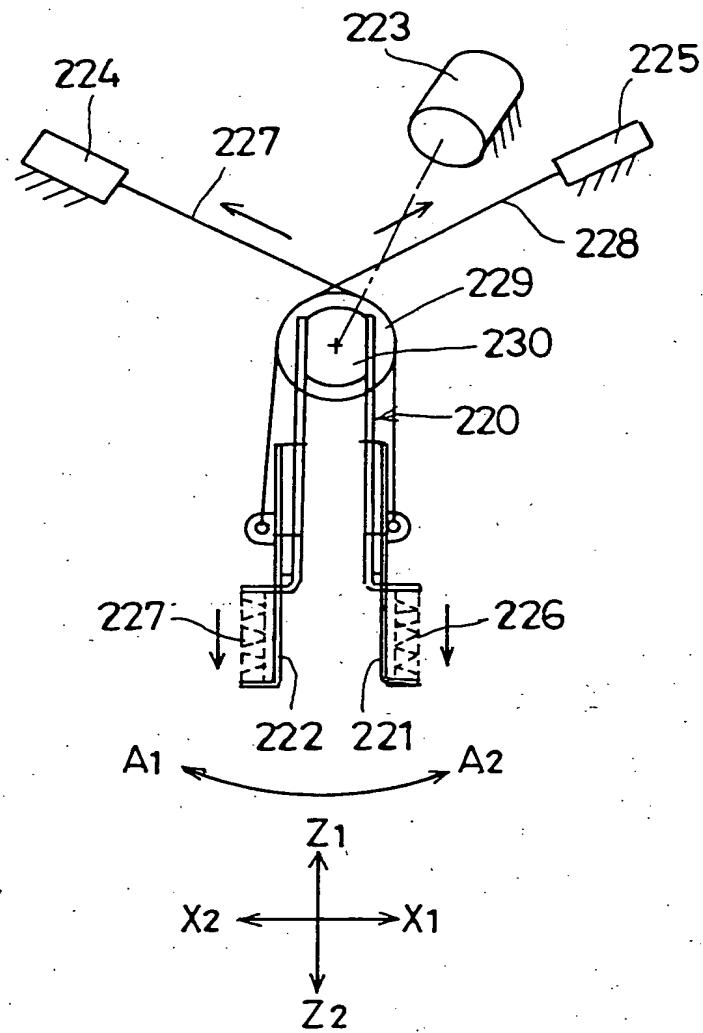


FIG. 24A

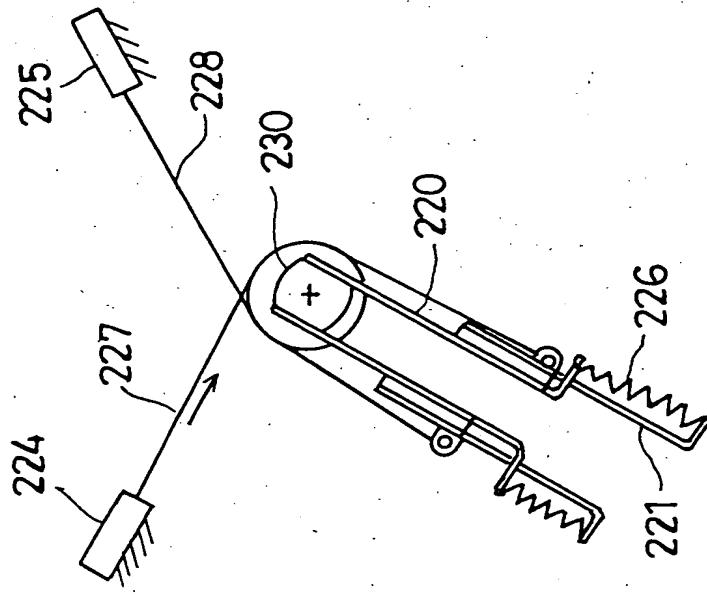
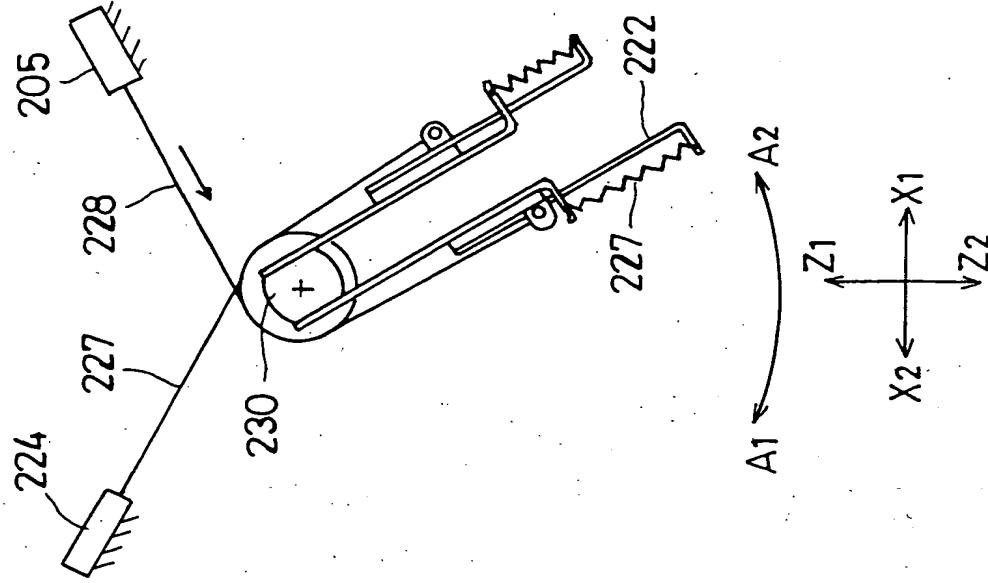


FIG. 24B



TOP SECRET//SI

FIG. 25A

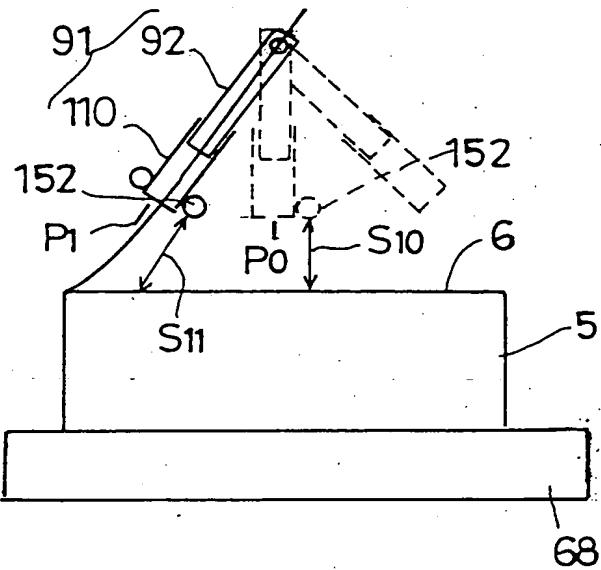
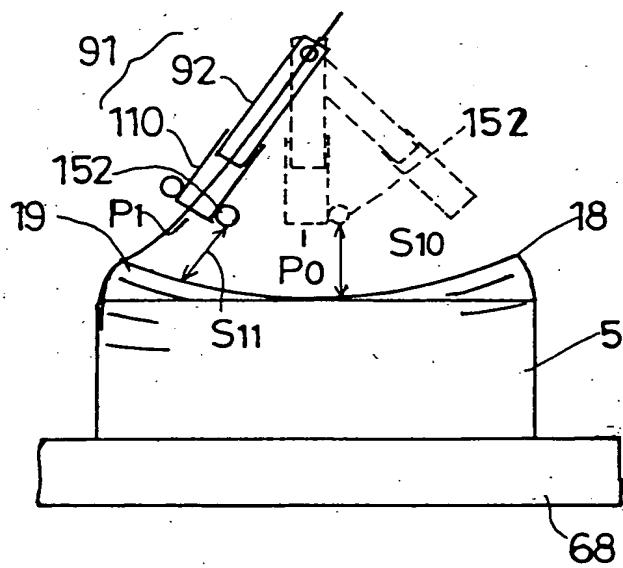
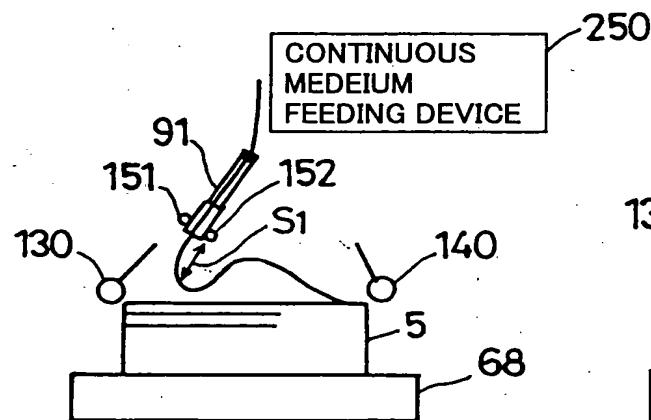


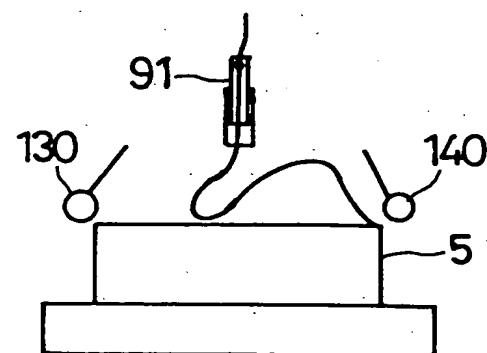
FIG. 25B



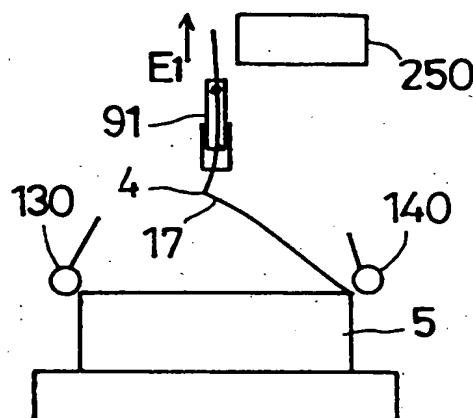
**FIG.26A**



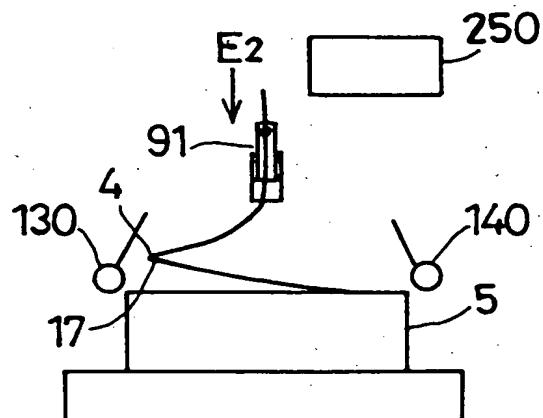
**FIG.26B**



**FIG.26C**



**FIG.26D**



**FIG.26E**

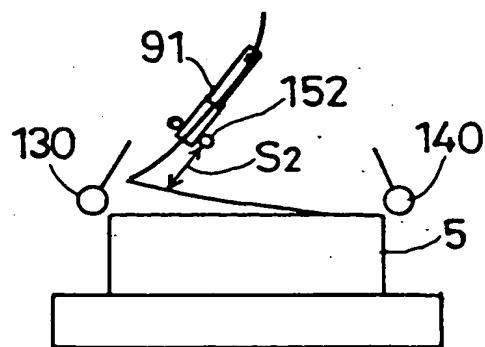


FIG.27

